

Amendment
U.S. Patent Application No. 09/724,780

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 (Currently Amended). A method of rendering a low-resolution resultant image at an embedded imaging device, comprising:

capturing an original digital negative at the embedded imaging device at an original resolution;

modifying the original digital negative to form a first resultant image at a first resolution;

generating a first edit list based upon the modifying of the original digital negative;

associating the first edit list with the first resultant image;

linking the first edit list to the original digital negative;

displaying the first resultant digital image on a display device coupled to the embedded imaging device;

modifying the first resultant image to form a second resultant image at the first resolution;

generating a second edit list based upon the modifying of the first resultant image;

associating the second edit list with the second resultant image;

linking the second edit list to the original digital negative;

storing the linked second edit list, the original digital negative, and the second resultant image at the embedded imaging device; and

displaying the second resultant image at the display device.

2 (Original). A method as recited in claim 1, further comprising:

coupling the embedded imaging device to a first node;

at a second node coupled to the first node,

receiving the linked second edit list and the original digital negative;

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operating on the original digital negative based upon the received linked second edit list to form the second resultant image at the original resolution; and

transferring the second resultant image at the original resolution to the first node;

outputting the second resultant image at the original resolution at an output device coupled to the first node.

3 (Currently Amended). A method as recited in claim 2, ~~wherein~~ further comprising:
at the first node,

operating on the original digital negative based upon the stored linked second edit list to form the second resultant image at the original resolution; and

outputting the second resultant image at the original resolution at an output device coupled to the first node.

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4 (Currently Amended). A method as recited in claim 1, wherein the embedded imaging device is ~~selected from a group comprising:~~ at least one of a digital still camera, a digital video camera, an internet appliance, and a WEB based camera.

5 (Currently Amended). A method as recited in claim 1, wherein the display device is ~~selected from a group comprising:~~ at least one of an LCD screen and a TV.

6 (Original). A method as recited in claim 1, wherein the original resolution is a highest resolution and wherein the first resolution is a lowest resolution.

7 (Currently Amended). A method as recited in claim 2 ~~1~~, wherein the second node is directly connected to a server computer connected to the first node by way of an interconnected network of computers.

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8 (Original). A method as recited in claim 3, wherein the first node and the second node are directly coupled in a peer-to-peer arrangement.

9 (Original). A method as recited in claim 8, wherein the first node and the second node are wirelessly coupled.

10 (Currently Amended). ~~An apparatus~~ A system for rendering a low-resolution image from a higher resolution image at an embedded imaging device, comprising:

~~a means for capturing an original digital negative at the an embedded imaging device to~~
capture an original digital negative at an original resolution;

a means for generating a thumbnail digital image of the original digital negative at a first resolution;

~~a means for displaying the thumbnail digital image on a display device coupled to the embedded imaging device;~~

a means for modifying the thumbnail digital image to form a first resultant image at the first resolution;

a means for generating a first edit list based upon the modifying of the original digital image;

a means for associating the first edit list with the first resultant image;

a means for linking the first edit list to the original digital negative;

a means for storing the linked first edit list, the original digital negative, and the first resultant image at the embedded imaging device; and

~~a means for displaying~~ display device coupled to the embedded image device to display the thumbnail digital image and the first resultant image at the display device.

11 (Currently Amended). A ~~method~~ system as recited in claim 10, further comprising:

a first node;

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A a means for coupling the embedded imaging device to ~~a~~ the first node;
at a second node coupled to the first node, the second node including:
a means for receiving the linked first edit list and the original digital negative;
a means for operating on the original digital negative based upon the received
linked edit list to form the first resultant image at the original resolution; and
a means for transferring the first resultant image at the original resolution to the
first node;
a means for outputting the first resultant image at the original resolution at an
output device coupled to the first node.

12 (Currently Amended). A ~~method~~ system as recited in claim 10, wherein at the first
node, includes:

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a means for operating on the original digital negative based upon the stored linked edit
list to form the first resultant image at the original resolution; and
a means for outputting the first resultant image at the original resolution at an output
device coupled to the first node.

13 (Currently Amended). A ~~method~~ system as recited in claim 10, wherein the
embedded imaging device is ~~selected from a group comprising~~: at least one of a digital still
camera, a digital video camera, an internet appliance, and a WEB based camera.

14 (Currently Amended). A ~~method~~ system as recited in claim 10, wherein the
display device is ~~selected from a group comprising~~: at least one of an LCD screen; and a TV.

15 (Currently Amended). A ~~method~~ system as recited in claim 10, wherein the
original resolution is a highest resolution and wherein the first resolution is a lowest resolution.

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16 (Currently Amended). A ~~method~~ system as recited in claim 11, wherein the second node is directly connected to a server computer connected to the first node by way of an interconnected network of computers.

17 (Currently Amended). A ~~method~~ system as recited in claim 12, wherein the first node and the second node are directly coupled in a peer-to-peer arrangement.

18 (Currently Amended). A ~~method~~ system as recited in claim 17, wherein the first node and the second node are wirelessly coupled.

19 (Original). In a distributed system, an on-demand method of transferring a lower resolution resultant image from a first node to a second node that preserves an ability to form a higher resolution resultant image at the second node, comprising:

at the first node,

- (a) generating a first resultant image at a first resolution;
- (b) rasterizing the first resultant image to form a second resultant image at a second resolution;
- (c) transferring the second resultant image to the second node;

at the second node,

- (d) selecting a third resolution;
- (e) rasterizing the second resultant image to form a third resultant image at the third resolution.

20 (Original). A method as recited in claim 19, wherein the generating a first resultant image comprises:

- (f) retrieving a digital negative of an original digital image;
- (g) modifying the digital negative to form the first resultant image at the first resolution;

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- (h) associating a first edit list based on the modifying with the first resultant image;
- (i) linking the first edit list to the digital negative.

21 (Original). A method as recited in claim 20, wherein the rasterizing the first resultant image comprises:

- (j) modifying the first resultant image to form the second resultant image at the second resolution;
- (k) associating a second edit list based on the modifying (j) with the second resultant image at the second resolution and the first resultant image;
- (l) linking the second edit list to the digital negative.

22 (Original). A method as recited in claim 21, further comprising:

at the second node, if it is determined that the third resolution is the first resolution,

- (m) sending a digital negative request to the first node;
- (n) receiving the requested digital negative and the linked first edit list;
- (o) modifying the requested digital negative based upon the first edit list to form the first resultant image at the first resolution.

23 (Original). A method as recited in claim 22, wherein the first node is a first computing device coupled to a first input device and a first output device and wherein the second node is a second computing device coupled to a second output device and a second input device.

24 (Original). A method as recited in claim 23, wherein the second node is a server computer.

25 (Original). A method as recited in claim 23, wherein the first computing device and the second computing device are linked in a peer-to-peer arrangement.

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26 (Original). A method as recited in claim 25, wherein the first computing device and the second computing device are wirelessly linked.

27 (New). A system for transferring a lower resolution resultant image between nodes while preserving an ability to form a higher resolution resultant image, the system comprising:

a first node including a processor configured to receive a digital negative of an original digital image generated from an imaging device, to modify the digital negative to form a first resultant image, to generate a first edit list based upon the modification of the digital negative, and to link the first edit list with the digital negative; and

a second node including a processor configured to receive the first resultant image from the first node, to modify the first resultant image to form a second resultant image, to generate a second edit list based upon the modification of the first resultant image, and to link the second edit list with the digital negative;

wherein the first and second resultant images are at a lower resolution than the digital negative.